

Abstract

It is intended to provide expired dendritic cells having characteristics of the following (E1) to (E3):

- 5 (E1) not shifting into a mature type due to an action of a natural immune stimulant or a permanent immune potentiator; (E2) having the same shape as immature DC; and (E3) expressing IL-10. It is intended to provide Permanently activated dendritic cells having the following characteristics: (M2-1) having projecting dendrites and forming aggregation clusters; (M2-2) being capable
10 of activating unreacted cytotoxic T cells (CTL); (M2-3) having stable properties under the action of anti-CD40 monoclonal antibody; and (M2-4) showing a high expression level of at least one member selected from the group consisting of CD80, CD83 and CD86.